

CLAIMS

What is claimed is:

1. A swivel divider gearbox system for agricultural equipment, said system comprising:

A. A first gearbox having an input shaft and an output shaft, wherein said input shaft is perpendicular to said output shaft;

B. A second gearbox having an input shaft and at least two output shafts,

C. wherein the input shaft of the second gearbox is perpendicular to the output shafts of the second gearbox.

2. The gearbox system of claim 1, wherein the output shaft of the first gearbox is the input shaft of the second gearbox.

3. A swivel divider gearbox system for agricultural equipment, said system comprising:

A. A first gearbox having an input shaft and an output shaft, each shaft defined along an axis and in a plane associated therewith, wherein said input shaft is angled relative to said output shaft so that the axis of the output shaft is not in the same plane as the axis of the input shaft;

B. A second gearbox having an input shaft and at least two output shafts, each shaft defined along an axis and in a plane associated therewith, wherein said input shaft is angled relative to said output shafts so that the axis of at least one of the output shafts is not in the same plane as the axis of the input shaft.

4. The gearbox system of claim 3, wherein the first gearbox further comprises a housing having a first face and a second, different face and wherein said input shaft extends from said first face and said output shaft extends from said second face.

5. The gearbox system of claim 3, wherein the axis of the input shaft of the first gearbox and the axis of the output shaft of the first gearbox are substantially perpendicular to one another.

6. The gearbox system of claim 3, wherein the axis of the input shaft of the second gearbox and the axis of at least one of the output shafts of the second gearbox are substantially perpendicular to one another.

7. The gearbox system of claim 3, wherein the plane of the input shaft of the first gearbox is substantially parallel with the plane of at least one of the output shafts of the second gearbox.

8. The gearbox system of claim 7, wherein the plane of the input shaft of the first gearbox is offset from the plane of at least one of the output shafts of the second gearbox.

9. The gearbox system of claim 3, wherein the output shaft of the first gearbox is the input shaft of the second gearbox.

10. The gearbox system of claim 3, wherein the output shaft of the first gearbox is coupled to the input shaft of the second gearbox.

11. A divider gearbox for agricultural equipment, said gearbox comprising:

A. An input shaft; and

B. At least two output shafts,

C. wherein each shaft is defined along an axis and in a plane associated therewith, and

D. wherein said input shaft is angled relative to at least one of said output shafts so that the axis of said at least one output shaft is not in the same plane as the axis of the input shaft.

5 12. The gearbox of claim 11, wherein the axis of the input shaft and the axis of at least one of the output shafts are substantially perpendicular to one another.

13. The gearbox of claim 11, wherein the angle between the axis of the input shaft and the axis of at least one of the output shafts is obtuse.

10 14. The gearbox system of claim 3, wherein the angle between the axis of the input shaft of the first gearbox and the axis of the output shaft of the first gearbox is obtuse.

15. The gearbox of claim 11, wherein said gearbox has three output shafts.

15 16. The gearbox system of claim 3, wherein said second gearbox has three output shafts.